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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/775,025	02/10/2004	Jin-hun Kim	1793.1158	6970

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WASHINGTON, DC 20005

EXAMINER

CHAUDRY, MUJTABA M

ART UNIT	PAPER NUMBER
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2112

MAIL DATE	DELIVERY MODE
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05/07/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/775,025

Applicant(s)

KIM, JIN-HUN

Examiner

Mujtaba K. Chaudry

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2112

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 February 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Applicants' response was received February 27, 2007.

- Specification is accepted.
- Claims objections are withdrawn in light of the amendments.
- Claim rejections under 35 USC 101 are withdrawn in light of remarks and amendments.
- Previously presented rejections under 35 USC 112 to claims 1-23 are withdrawn in light of the remarks and amendments.
- New rejections under 35 USC 112 are presented in light of the amendment.

Application pending.

Response to Amendment

Applicant's arguments with respect to claims 1-23 have been considered but are moot in view of the new ground(s) of rejection. The Examiner would like to point out that this action is made final (See MPEP 706.07a).

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

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Claim 1 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

- In lines 5-6, the claim recites, "...calculating a first mode checksum by subtracting a second set of values written in a predetermined area of the memory from the first checksum..." In the previous step (lines 3-4), a first checksum is calculated by reading a plurality of values from the memory and summing them (in binary addition). For example, suppose we read values 0 1 1 1 0, then the check sum would be $0 + 1 + 1 + 1 + 0 = 1$, which gives us the result of just one bit. Therefore it is not clear how a second set of values can be subtracted from 1 bit. (i.e., $1 - (0\ 1\ 0\ 1\ 1) =$ negative number).

Claims 2-9 depend from independent claim 1 and inherently include limitations therein and therefore are rejected as well.

Claim 10 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

- In lines 9-10, the claim recites, "...calculating a first mode checksum by subtracting a second set of values written in a predetermined area of the memory from the first checksum..." In the previous step (lines 7-8), a first checksum is calculated by reading a plurality of values from the memory and summing them (in binary addition). For example, suppose we read values 0 1 1 1 0, then the check sum would

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be $0 + 1 + 1 + 1 + 0 = \underline{1}$, which gives us the result of just one bit. Therefore it is not clear how a second set of values can be subtracted from 1 bit. (i.e., $1 - (0\ 1\ 0\ 1\ 1) =$ negative number).

Claims 11-21 depend from independent claim 10 and inherently include limitations therein and therefore are rejected as well.

Claim 22 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

- In lines 6-7, the claim recites, "...calculating a first mode checksum by subtracting a second set of values written in a predetermined area of the memory from the first checksum..." In the previous step (lines 4-5), a first checksum is calculated by reading a plurality of values from the memory and summing them (in binary addition). For example, suppose we read values 0 1 1 1 0, then the check sum would be $0 + 1 + 1 + 1 + 0 = \underline{1}$, which gives us the result of just one bit. Therefore it is not clear how a second set of values can be subtracted from 1 bit. (i.e., $1 - (0\ 1\ 0\ 1\ 1) =$ negative number).

Claim 23 depends from independent claim 22 and inherently includes limitations therein and therefore is rejected as well.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

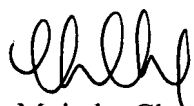
A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mujtaba K. Chaudry whose telephone number is 571-272-3817. The examiner can normally be reached on Mon-Fri 9-7:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jacques Louis-Jacques can be reached on 571-272-6962.

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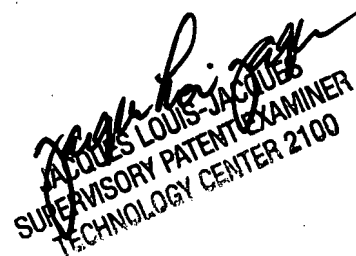
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Mujtaba Chaudry

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April 24, 2007



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SUPERVISORY PATENT EXAMINER
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